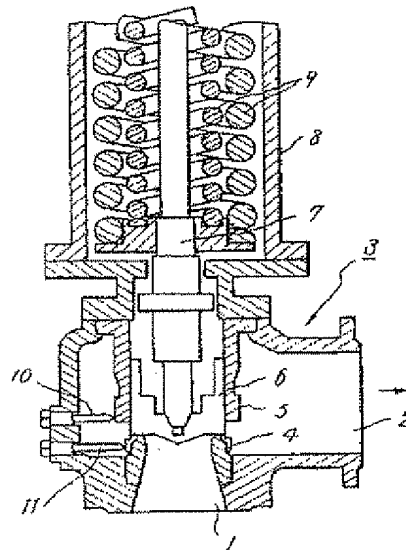


VALVE CHECK DEVICE**Publication number:** JP58031573**Publication date:** 1981-03-30**Inventor:** TSUNODA TOMIO; OGURA KENJI; KURASHIMA HIROSHI**Applicant:** NIPPON ATOMIC IND GROUP CO; TOKYO SHIBAURA ELECTRIC CO**Classification:****- international:** F16K37/00; F16K35/00; F16K37/00; F16K35/00; (IPC1-7): F16K35/00; F16K37/00**- European:****Application number:** JP19790104764 19790817**Priority number(s):** JP19790104764 19790817[Report a data error here](#)**Abstract of JP56031573**

PURPOSE: To watch ON/OFF operation of a valve, to grasp in quantity an amount of leak by installing a vibration meter on a relief valve housing or on an exhaust pipe in a piping system.

CONSTITUTION: A valve seat 4 is provided in a valve housing 3 concentric with a steam inlet 1 whereas a valve plate 6 is slidably fitted in a guide 5. A vibration probing set pin 10 is brought into contact with the guide 5 and a set pin 11 with the valve seat 4. Thus, as the valve plate 6 is open, flow of steam past the plate 6 causes vibrations to occur on and around the plate 6. If there is any steam leakage, that leakage must pass through the clearance between the plate 6 and seat 4; that is, vibrations are also occurred. The vibration probing set pins 10 and 11 pick these vibrations up. The amount of the leakage can then be indicated in quantity in relation to the output of a vibration meter, contributing much to an easier maintenance and safer, more reliable operation of an entire plant or system.

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